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(54) **NANO-FIBER COMPOUNDED SOLUTION, EMULSION AND GELLING MATERIAL AND METHOD FOR PRODUCTION THEREOF, AND NANO-FIBER SYNTHETIC PAPER AND METHOD FOR PRODUCTION THEREOF**

(57) This invention provides compound solutions, emulsions and gels excellent in homogeneous dispersibility and long-term dispersion stability and also excellent in the properties as cosmetics, using disarranged nanofibers not limited in either form or polymer, widely applicable and small in the irregularity of single fiber diameter. This invention also provides a method for producing them. Furthermore, this invention provides synthetic papers composed of fibers, small in pore area and uniform in pore size, using disarranged nanofibers, and also provides a method for producing them.

This invention provides compound solutions, emulsions, gels and synthetic papers containing disarranged nanofibers of 1 to 500 nm in number average diameter and 60% or more in the sum Pa of single fiber ratios.



Fig. 3

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INTERNATIONAL SEARCH REPORT

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| A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ D21H13/10, A61K7/00, 7/42, 7/48, D04H1/42, D21H15/02 According to International Patent Classification (IPC) or to both national classification and IPC | | |
|--|--|---|
| B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ D21H13/10, A61K7/00, 7/42, 7/48, D04H1/42, D21H15/02 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005 Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPIL | | |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | |
| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
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| Y | | |
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